CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-2, 4-26.

- After this Amendment: Claims 1-2, 4-26.

Non-Elected, Canceled, or Withdrawn claims: claim 3.

Amended claims: claims 1, 2, 4-8, 11, 16-19 and 22.

New claims: None.

Claims:

1.   (Currently amended)   A software architecture implemented at least in part by a computing device for executing a <u>navigation-based</u> web ~~software~~ application that contains one or more resources <u>accessible over a network</u>, comprising:

a first set of application programming interfaces, ~~when~~ implemented and executed by the computing device, configured to support the execution of the <u>navigation-based</u> web ~~software~~ application within the software architecture; and

a second set of application programming interfaces, ~~when~~ implemented and executed by the computing device, configured to support navigation-related activities of the <u>navigation-based</u> web ~~software~~ application,

Serial No.: 10/716,108
Atty Docket No.: MS1-1799US
Atty/Agent: Ningning Xu
RESPONSE TO FINAL OFFICE ACTION

3

lee&hayes   The Business of IP™
www.leehayes.com   509.324.9256

wherein the navigation-based web application is deployed on a web server and downloaded to a local computing device from the web server through the network when executed; and

wherein an instance of the navigation-based web application is created in a runtime execution environment during execution and states of the navigation-based web software application are persisted in ~~an execution environment~~ the instance ~~during execution~~ and made accessible ~~via run-time objects~~ to the resources of the navigation-based web software application by the first and second sets of application programming interfaces.

2.   **(Currently amended)**   The software architecture recited in claim 1, wherein the first set of application programming interfaces comprises a StartingUp method that includes executable instructions that are executed to load the states of the navigation-based web software application when it is being launched.

3.   **(Cancelled).**

4.   **(Currently amended)**   The software architecture recited in claim 1, wherein the first set of application programming interfaces comprises a ShutDown method that, when called, is operative to cause the states of the navigation-based web software application to be saved when it is shut down.

5. **(Currently amended)** The software architecture recited in claim 1, wherein the first set of application programming interfaces comprises a Windows collection in which is stored information that identifies one or more windows that are used in connection with the <u>navigation-based</u> web ~~software~~ application.

6. **(Currently amended)** The software architecture recited in claim 1, wherein the first set of application programming interfaces comprises a Resources property that specifies resources that apply to pages within an extent of the <u>navigation-based</u> web ~~software~~ application.

7. **(Currently amended)** The software architecture recited in claim 1, wherein the second set of application programming interfaces comprises a Properties collection in which is stored information about a state of the <u>navigation-based</u> web ~~software~~ application during execution.

8. **(Currently amended)** The software architecture recited in claim 1, wherein the second set of application programming interfaces comprises a StartUpURI property that specifies the resources to which the <u>navigation-based</u> web ~~software~~ application navigates upon being launched.

9. **(Previously Presented)** The software architecture recited in claim 8, wherein the resources comprise a markup based page.

10. **(Previously Presented)** The software architecture recited in claim 8, wherein the resources comprise an executable resource.

11. **(Currently amended)** The software architecture recited in claim 1, wherein the second set of application programming interfaces comprises a set of events related to the occurrence of a navigation by the navigation-based web ~~software~~ application.

12. **(Original)** The software architecture recited in claim 11, wherein the set of events comprises a Navigating event indicative of the initiation of a navigation.

13. **(Original)** The software architecture recited in claim 11, wherein the set of events comprises a Navigated event indicative of the completion of a navigation.

14. **(Original)** The software architecture recited in claim 11, wherein the set of events comprises a NavigationError event indicative of the occurrence of an error during the navigation.

15. **(Original)** The software architecture recited in claim 11, wherein the set of events comprises a NavigationProgress event that is raised periodically during the navigation to enable information about the navigation to be discerned.

16. **(Currently amended)** A computer-readable medium having computer-executable components for supporting the execution of a <u>navigation-based</u> web ~~software~~ application that contains one or more resources <u>accessible over a network</u>, the components comprising:

an application programming interface exposed by the software application, the application programming interface including:

a StartingUp method including executable instructions to be executed to load states of the <u>navigation-based</u> web ~~software~~ application when it is being launched; and

a ShutDown method that, when called, is operative to cause the states of the <u>navigation-based</u> web ~~software~~ application to be saved before it is shut down,

<u>wherein the navigation-based web application is deployed on a web server and downloaded to a local computing device from the web server through the network when executed; and</u>

wherein <u>an instance of the navigation-based web application is created in a runtime execution environment during execution and</u> the states of the <u>navigation-based</u> web ~~software~~ application are persisted in [[an]] <u>the instance</u> ~~execution environment during execution of the web software application~~ and made accessible ~~via run-time objects~~ to the resources of the <u>navigation-based</u> web ~~software~~ application by the application programming interface.

17.   (Currently amended)   The computer-readable medium recited in claim 16, further comprising a Windows collection in which is stored information that identifies one or more windows that are used in connection with the navigation-based web ~~software~~ application.

18.   (Currently amended)   The computer-readable medium recited in claim 16, further comprising a Resources property that specifies resources that apply to pages within an extent of the navigation-based web ~~software~~ application.

19.   (Currently amended)   A computer-readable medium having computer-executable components for supporting the execution of a navigation-based web ~~software~~ application that contains one or more resources accessible over a network, the components comprising:

an application programming interface exposed by the navigation-based web ~~software~~ application, the application programming interface including:

a Properties collection that stores information about a state of the navigation-based web ~~software~~ application during execution; and

a StartUpURI property that specifies the resources to which the navigation-based web ~~software~~ application navigates upon being launched,

wherein the navigation-based web application is deployed on a web server and downloaded to a local computing device from the web server through the network when executed; and

Serial No.: 10/716,108
Atty Docket No.: MS1-1799US
Atty/Agent: Ningning Xu
RESPONSE TO FINAL OFFICE ACTION

8

lee&hayes   The Business of IP™
www.leehayes.com   509.324.9256

wherein an instance of the navigation-based web application is created in a runtime execution environment during execution and the Properties collection and the StartUpURI property [[are]] is persisted in [[an]] the instance execution-environment and made accessible via run-time objects to the resources of the navigation-based web software application by the application programming interface.

20. **(Previously Presented)** The computer-readable medium recited in claim 19, wherein the resources comprise a markup based page.

21. **(Previously Presented)** The computer-readable medium recited in claim 19, wherein the resources comprise an executable resource.

22. **(Currently amended)** The computer-readable medium recited in claim 19, further comprising a set of events related to the occurrence of a navigation by the navigation-based web software application.

23. **(Original)** The computer-readable medium recited in claim 22, wherein the set of events comprises a Navigating event indicative of the initiation of a navigation.

24. **(Original)** The computer-readable medium recited in claim 22, wherein the set of events comprises a Navigated event indicative of the completion of a navigation.

Serial No.: 10/716,108
Atty Docket No.: MS1-1799US
Atty/Agent: Ningning Xu
RESPONSE TO FINAL OFFICE ACTION

9

lee&hayes   The Business of IP™
www.leehayes.com   509.324.9256

25. **(Original)**   The computer-readable medium recited in claim 22, wherein the set of events comprises a NavigationError event indicative of the occurrence of an error during the navigation.

26. **(Original)**   The computer-readable medium recited in claim 22, wherein the set of events comprises a NavigationProgress event that is raised periodically during the navigation to enable information about the navigation to be discerned.